

Notice of Allowability

Application No.

10/052,716

Examiner

Luke Osborne

Applicant(s)

HETT, CHARLES L.

Art Unit

2123

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/17/2006.
2. ☒ The allowed claim(s) is/are 1-6, 8, 12, 14-16, 19-22, 25, 27, 28, 30-35, 37 and 39-43.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). .
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

1. Claims 1-6, 8, 12, 14-16, 19-22, 25, 27, 28, 30-35, 37, and 39-43 are pending in the instant application.

Claims 1-6, 8, 12, 14-16, 19-22, 25, 27, 28, 30-35, 37, and 39-43 stand allowed.

Applicants' arguments submitted 10/17/2006 have been fully considered, Examiners response is as follows.

REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance:

The following is a statement of reasons for the indication of allowable subject matter: The claims in light of the specification define an avionics display which presents a simulated (a.k.a. synthetic vision system) out the window display, while this is a simulated display in the context of being a modeled representation of the outside world it is an instrument onboard, not the primary display of a flight simulator. Also the deviation from the glide path is determined without the use of ground based signals (ILS), as is apparent from Applicant's remarks dated 4/13/2006.

While Faivre, Barrows, and Wilkens teach aircraft indicators displaying the glide path and deviation from said glide path none of these reference(s) taken either alone or in combination with the prior art of record disclose displaying the glide path indicators shown on the display as what would be shown on the ground but can't be seen, specifically including:

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(Claim 1) wherein the pattern of illuminated indicators simulates a known airport lighting aid.

(Claims 8) wherein a pattern of illuminated indicators are positioned simulating a known airport lighting aid.

(Claim 14) wherein the pattern of indicators further comprises a pattern of indicators that substantially simulates an airport lighting aid.

(Claim 20) wherein the pattern of indicators the pattern of display indicators simulates a known airport lighting aid.

(Claim 28) wherein visually displaying the deviation includes displaying an illuminated indicator indication the degree of deviation from the glide path positioned relative to a pattern of illuminated indicators simulating a known airport lighting aid.

These limitations in combination with the remaining elements and features of the claimed invention. It is for these reason that the applicant's invention defines over the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Luke Osborne whose telephone number is (571) 272-4027. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul L. Rodriguez can be reached on (571) 272-3753. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LRO


PAUL RODRIGUEZ 12/19/04
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100